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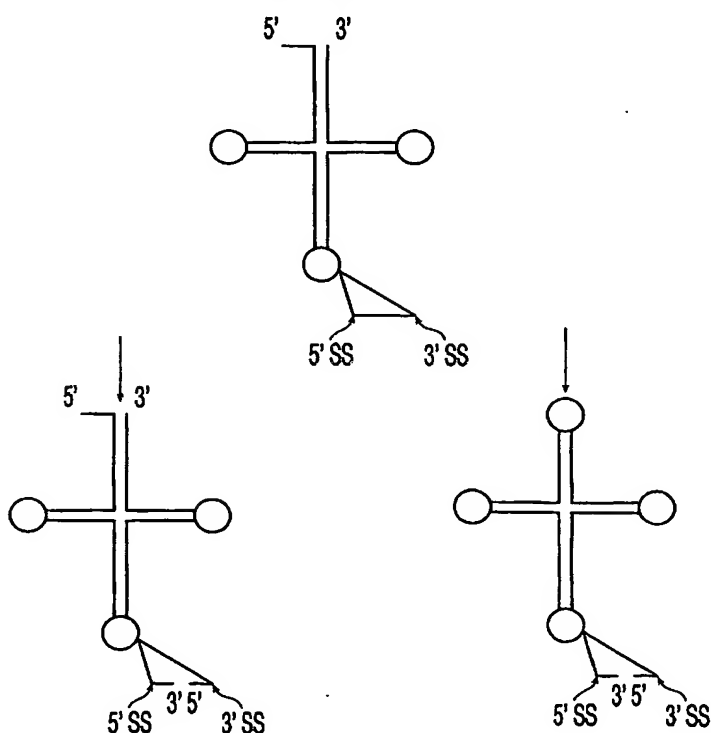
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(54) Title: METHODS OF IDENTIFYING COMPOUNDS THAT TARGET tRNA SPLICING ENDONUCLEASE AND USES OF SAID COMPOUNDS AS ANTI-PROLIFERATIVE AGENTS

HTS Fluorescent Screening

(57) Abstract: The present invention relates to a method for screening and identifying compounds that modulate the activity tRNA splicing endonuclease. In particular, the invention provides assays for the identification of compounds that inhibit animalia tRNA splicing endonuclease. The methods of the present invention provide a simple, sensitive assay for high-throughput screening of libraries of compounds to identify pharmaceutical leads useful for treating and/or preventing cancer.



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